

Appendix A: System messages

[Table 22](#) in this appendix lists CRI-related system messages displayed or printed on the system and MMI terminal or TTY.

Note: CRInnnn messages are suppressed for a given superloop if alarms are disabled by the MMI command **A D** (Alarm Disable). CRInnnn messages are suppressed for a given carrier link if it is UNEQUIPPED by the MMI command **S C** (Set Configuration).

[Table 23](#) lists HEX codes displayed by the alphanumeric display on the Remote Carrier Interface card faceplate.

Table 22
System error messages related to the CRI (Part 1 of 5)

Error Code	Message description
BSD805/806	Superloop timeslot not available. Check the timeslot allocation for each T1/E1 carrier.
NPR0019	LCI did not respond to the request of disable/enable the RTE superloop. Ensure that the LCI is installed and that the ENL/DIS switch is in ENL position.
NWS0019	LCI did not respond to the request of disable/enable the superloop. Ensure that the LCI is installed and that the ENL/DIS switch is in ENL position.
PWRxxxx	Carrier Remote IPE cabinet system monitor emulation.
SCH6575	REM_IPE package is not equipped.
SCH6576	Missing LCI software from disk.
SCH6577	Cannot change SUPT in the defined superloop. Superloop is not disabled.

Table 22
System error messages related to the CRI (Part 2 of 5)

Error Code	Message description
CRIabcd	Where a=1 for local and 2 for remote, 3 for external, b= carrier 0, 1, or 2, c= alarm lever 1, 2, or 3, and d= 0 for bit error, 1 for frame slip, 2 for loss of signal, 3 for blue alarm, 4 for out-of-frame, 5 for within threshold, and 6 for MMI enabled i.e. carrier equipped via MMI configuration commands. This is shown in subsequent system error messages.
Bit error rate error code description	
CRI1010	Local Carrier 0 Alarm Level 1. Bit error rate exceeded.
CRI1020	Local Carrier 0 Alarm Level 2. Bit error rate exceeded.
CRI1030	Local Carrier 0 Alarm Level 3. Bit error rate exceeded.
CRI1110	Local Carrier 1 Alarm Level 1. Bit error rate exceeded.
CRI1120	Local Carrier 1 Alarm Level 2. Bit error rate exceeded.
CRI1130	Local Carrier 1 Alarm Level 3. Bit error rate exceeded.
CRI1210	Local Carrier 2 Alarm Level 1. Bit error rate exceeded.
CRI1220	Local Carrier 2 Alarm Level 2. Bit error rate exceeded.
CRI1230	Local Carrier 2 Alarm Level 3. Bit error rate exceeded.
CRI2010	Remote Carrier 0 Alarm Level 1. Bit error rate exceeded.
CRI2020	Remote Carrier 0 Alarm Level 2. Bit error rate exceeded.
CRI2030	Remote Carrier 0 Alarm Level 3. Bit error rate exceeded.
CRI2110	Remote Carrier 1 Alarm Level 1. Bit error rate exceeded.
CRI2120	Remote Carrier 1 Alarm Level 2. Bit error rate exceeded.
CRI2130	Remote Carrier 1 Alarm Level 3. Bit error rate exceeded.
CRI2210	Remote Carrier 2 Alarm Level 1. Bit error rate exceeded.
CRI2220	Remote Carrier 2 Alarm Level 2. Bit error rate exceeded.
CRI2230	Remote Carrier 2 Alarm Level 3. Bit error rate exceeded.

Table 22
System error messages related to the CRI (Part 3 of 5)

Error Code	Message description
Frame slip error code description	
CRI1031	Local Carrier 0 Alarm Level 3. Frame slip threshold exceeded.
CRI1131	Local Carrier 1 Alarm Level 3. Frame slip threshold exceeded.
CRI1231	Local Carrier 2 Alarm Level 3. Frame slip threshold exceeded.
CRI2031	Remote Carrier 0 Alarm Level 3. Frame slip threshold exceeded.
CRI2131	Remote Carrier 1 Alarm Level 3. Frame slip threshold exceeded.
CRI2231	Remote Carrier 2 Alarm Level 3. Frame slip threshold exceeded.
Loss of signal error code description	
CRI1032	Local Carrier 0 Alarm Level 3. Loss of signal.
CRI1132	Local Carrier 1 Alarm Level 3. Loss of signal.
CRI1232	Local Carrier 2 Alarm Level 3. Loss of signal.
CRI2032	Remote Carrier 0 Alarm Level 3. Loss of signal.
CRI2132	Remote Carrier 1 Alarm Level 3. Loss of signal.
CRI2232	Remote Carrier 2 Alarm Level 3. Loss of signal.
Blue alarm error code description	
CRI1033	Local Carrier 0 Alarm Level 3. Blue alarm.
CRI1133	Local Carrier 1 Alarm Level 3. Blue alarm.
CRI1233	Local Carrier 2 Alarm Level 3. Blue alarm.
CRI2033	Remote Carrier 0 Alarm Level 3. Blue alarm.
CRI2133	Remote Carrier 1 Alarm Level 3. Blue alarm.
CRI2233	Remote Carrier 2 Alarm Level 3. Blue alarm.

Table 22
System error messages related to the CRI (Part 4 of 5)

Error Code	Message description
Out of frame error code description	
CRI1034	Local Carrier 0 Alarm Level 3. Out of frame.
CRI1134	Local Carrier 1 Alarm Level 3. Out of frame.
CRI1234	Local Carrier 2 Alarm Level 3. Out of frame.
CRI2034	Remote Carrier 0 Alarm Level 3. Out of frame.
CRI2134	Remote Carrier 1 Alarm Level 3. Out of frame.
CRI2234	Remote Carrier 2 Alarm Level 3. Out of frame.
Operation within threshold message description	
CRI1005	Local Carrier 0 Alarm Level 0. Within threshold.
CRI1105	Local Carrier 1 Alarm Level 0. Within threshold.
CRI1205	Local Carrier 2 Alarm Level 0. Within threshold.
CRI2005	Remote Carrier 0 Alarm Level 0. Within threshold.
CRI2105	Remote Carrier 1 Alarm Level 0. Within threshold.
CRI2205	Remote Carrier 2 Alarm Level 0. Within threshold.
Disabled/unequipped error code description	
CRI1036	Carrier 0 MMI disabled/unequipped.
CRI1136	Carrier 1 MMI disabled/unequipped.
CRI1236	Carrier 2 MMI disabled/unequipped.
CRI1006	Carrier 0 MMI enabled/equipped.
CRI1106	Carrier 1 MMI enabled/equipped.
CRI1206	Carrier 2 MMI enabled/equipped.

Table 22
System error messages related to the CRI (Part 5 of 5)

Error Code	Message description
External alarm error code description	
CRI3311	RCI external alarm closure. Alarm contact 1 closed.
CRI3312	RCI external alarm closure. Alarm contact 2 closed.
CRI3313	RCI external alarm closure. Alarm contact 3 closed.
CRI3301	RCI external alarm closure. Alarm contact 1 open.
CRI3302	RCI external alarm closure. Alarm contact 2 open.
CRI3303	RCI external alarm closure. Alarm contact 3 open.

Table 23
Remote Carrier Interface HEX error codes for self-test (Part 1 of 2)

HEX code	Test description
00	Peripheral Controller ID while waiting for PSDL.
01	RAM test
02	A31 #1 external buffer
03	A31 #1 internal context memory (phase A)
04	A31 #1 internal context memory (phase B)
05	A31 #1 internal TXVM memory
06	A31 #1 configuration memory
07	A31 #1 external FIFO
08	A31 #2 external buffer
09	A31 #2 internal context memory (phase A)
0A	A31 #2 internal context memory (phase B)
0B	A31 #2 internal TXVM memory
0C	A31 #2 configuration memory
0D	A31 #2 external FIFO

Table 23
Remote Carrier Interface HEX error codes for self-test (Part 2 of 2)

HEX code	Test description
0E	A31 #1 Peripheral side W72 loopback test
0F	A31 #2 Peripheral side W72 loopback test
10	R72 N-P switching control memory
11	R72 320x8 NIVD buffer
12	R72 N-P Quiet code register
13	R72 P-N switching control memory
14	R72 640-8 XIVD buffer
15	R72 640-8 XIVD loopback buffer test
16	R72 P-N Quiet code register
17	R71 register test
18	R71 continuity test, peripheral side
19	R71 continuity test, network side
1A	R71 packet transmission test
1B	DUART port A
1C	DUART port B
1D	RCIM shelf test
1E	End of test
1F	R72 #2 N-P quiet-code register test
EE	Bus error, exception errors, etc.

Note: After PSDL, the display on the Carrier Remote Interface card alternates between Peripheral Controller ID and the carrier 0 indicating that the clock reference is being received from carrier 0.